

Title (en)
PROCESSES FOR FLUORINATING AROMATIC RING COMPOUNDS

Title (de)
VERFAHREN ZUR FLUORIERUNG VON AROMATISCHEN RINGVERBINDUNGEN

Title (fr)
PROCEDE DE FLUORATION DE COMPOSES CYCLIQUES AROMATIQUES

Publication
EP 1294662 B1 20040225 (EN)

Application
EP 00939804 A 20000612

Priority
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Abstract (en)
[origin: WO0196266A1] A process is provided for increasing the fluorine content of benzene or pyridine rings which are optionally substituted with from 1 to 3 inert substituents. The process involves (a) contacting the ring with a metal fluoride composition comprising cupric fluoride (CuF₂) at a temperature above 250 DEG C sufficient to transfer F from cupric fluoride to the optionally substituted ring, thereby chemically reducing the metal fluoride compositions; (b) oxidizing the reduced metal fluoride composition from (a) in the presence of HF to regenerate a metal fluoride composition comprising cupric fluoride; and (c) employing regenerated metal fluoride composition of (b) in (a).

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